

Substance Details Report

January 9, 2017

Core Metadata

Substance Type	Chemical Substance	Internal Tracking Number	24216
EPA Registry Name	Formaldehyde cyanohydrin	Substance Status	Approved
EPA Registry Name List	Chemical Identification		
Systematic Name	Acetonitrile, 2-hydroxy-		
Systematic Name List	Chemical Abstracts Index Name		
Preferred Acronym			
CAS Number	107-16-4		
EPA Identification Number			
TSN Number			
Kingdom			
ICTVDB			
Molecular Formula	C2H3NO		
Molecular Weight	57.05		
Comment/Description			

Definition

Classifications

Associated Identifiers

There is no information about former or incorrectly used identifiers.

Structure

Notation	Notation Type
N#CCO	SMILES

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Synonym

Below are the EPA applications/systems, statutes/regulations, or other sources that track or regulate this substance. This table shows how each list refers to the substance.

Statutes/Regulations

Statutes/Regulations	Synonym	Synonym Quality	Effective Date	End Date
2016 CDR TSCA Inv	Formaldehyde cyanohydrin	Valid	11/17/1986	
EPCRA 302	Formaldehyde cyanohydrin	Valid		
TSCA Inv	Acetonitrile, 2-hydroxy-	Valid		

EPA Applications/Systems

EPA Application/System	Synonym	Synonym Quality	Effective Date	End Date
2012 CDR	Acetonitrile, hydroxy-	Valid		
2012 CDR	Glycolonitrile	Valid		
CAMEO Chemicals	Formaldehyde cyanohydrin	Valid		
CERCLIS3	Formaldehyde cyanohydrin	Valid		
CORR	Acetonitrile, hydroxy-	Valid		
ERNS	Formaldehyde cyanohydrin	Valid		
GCES	Acetonitrile, hydroxy-	Valid		
HPVC List	Glycolonitrile	Valid		
HPVIS	Acetonitrile, hydroxy-	Valid		
ICIS-Air	Hydroxyacetonitrile	Valid		
TSCATS	Acetonitrile, hydroxy-	Valid		

Other Sources

Other Sources	Synonym	Synonym Quality	Effective Date	End Date
CA Index	Acetonitrile, 2-hydroxy-	Valid	01/20/2010	
CUS02	Acetonitrile, hydroxy-	Valid		
CUS90	Glycolonitrile	Valid		
CUS94	Glycolonitrile	Valid		
ChemIDStd	Formaldehyde cyanohydrin	Valid		
FDA	HYDROXYACETONITRILE	Unknown		
HSDB	Glycolonitrile	Valid		

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Other Sources	Synonym	Synonym Quality	Effective Date	End Date
NJ-RTK-HS	Glycolonitrile	Valid		
NTP Chemical Repository	Hydroxyacetonitrile	Valid		

Ad Hoc List

There are no Synonyms of this type.

EPA Synonyms

There are no Synonyms of this type.

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Component Of

Systematic Name	Synonym	CAS Number	TSN	EPA Identifier	Effective Date	End Date
Volatile organic compounds	VOCs			E761346		

Related References

<http://www.cdc.gov/niosh/docs/1970/78-212.html>
<http://nj.gov/health/eoh/rtkweb/documents/fs/0962.pdf>
<http://yosemite.epa.gov/oppts/epatscat8.nsf/ReportSearch?OpenAgent&CASNumber=107-16-4>
<http://chem.sis.nlm.nih.gov/chemidplus/direct.jsp?regno=107-16-4&result=advanced>
<http://chem.sis.nlm.nih.gov/chemidplus/direct.jsp?regno=0000107164>